

MATSUSHITA Compressor

MODEL# SD51C94JBU6 (12 μ F Run Cap. - VG10)

Single Phase
R-134a

115 V
60 Hz

Voltage Range 103 Volts to 127 Volts @ 60 Hz

Application Low Back Pressure

Compressor Cooling Static Cooling

Refrigerant Control . . Capillary Tube

Evaporator

Temp. Range -31°F to 23°F / -35°C to -5°C

Rated Performance Data

Capacity 574 Btu/h $\pm$ 7% *

E.E.R. 4.66 Btu/Wh $\pm$ 10% *

Current 1.19 Amps *

Nominal Motor Data Motor Input 123 Watts*
Rated Current . . . 1.23 Amps
Type RSCR, PTC relay

Locked Rotor 9.24 Amps

Start Current 16.99 Amps

Coil Resistances Run . . . 3.72 Ohms
@ 68°F (20°C) Start . . . 3.75 Ohms

*Test Conditions for Performance Specifications

Test Oil Freol α 10
Shell Temp 150.0°F / 65.0°C
Condensing Temp 130.0°F / 54.4°C
Evaporating Temp -10.0°F / -23.3°C
Ambient Temp 90.0°F / 32.2°C
Gas Superheat 90.0°F / 32.2°C
Liquid Sub-Cooling 90.0°F / 32.2°C

Electrical Accessories

Overload Protector

Nominal Operating Characteristics

Model Name T135AH6:1
Manufacturer Matsushita
Temperature To Open: 275°F $\pm$ 9°F / 135°C $\pm$ 5°C
Close: 176°F $\pm$ 27°F / 80°C $\pm$ 15°C
Trip Current @212°F (100°C) 4.1 to 5.1 Amps
@77°F (25°C) 16.5 Amps @ 13 sec. max.

P.T.C. Starting Device[†]

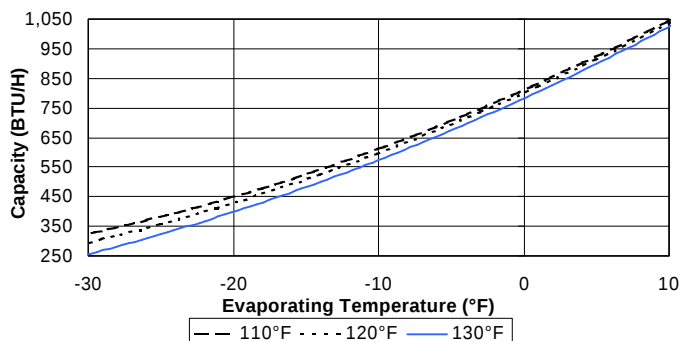
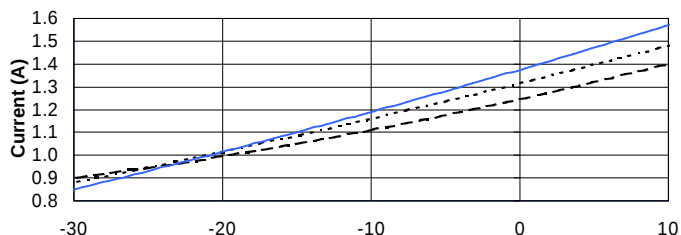
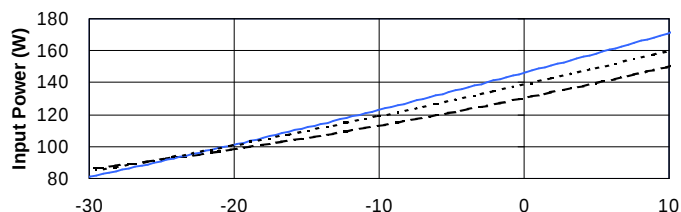
Nominal Operating Characteristics

Model Name	MM8-5DDQ6M8	PTH7M6R8MD2	
Manufacturer	Matsushita	Murata Mfg.	
Base resistance			
@ 77°F(25°C) $\pm$ 20%	6.8	6.8	Ohms
Power Consumption (max)	3.5	2.9	Watts
Operation time	1.0 to 2.7	0.6 to 1.8	seconds
Recovery time (max)	65	60	seconds

Run Capacitor 12 μ F 180 V (min.)

[†]Although these accessories are listed by UL/CSA for use with this compressor, Matsushita assumes no responsibility whatsoever for these or any other components sourced by the refrigeration system manufacturer from third parties.

Performance Curves



9 – Point Data

Condensing Temp.	Rating	Evaporating Temp.		
		-30°F	-10°F	+10°F
130°F	Btu/h	256	574	1,024
	Watts	81	123	171
	Amps	0.85	1.19	1.57
	E.E.R.	3.16	4.67	5.99
120°F	Btu/h	294	597	1,035
	Watts	84	119	160
	Amps	0.88	1.16	1.48
	E.E.R.	3.50	5.02	6.47
110°F	Btu/h	324	611	1,045
	Watts	86	113	150
	Amps	0.90	1.11	1.40
	E.E.R.	3.77	5.41	6.97

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Rev#1-5/9

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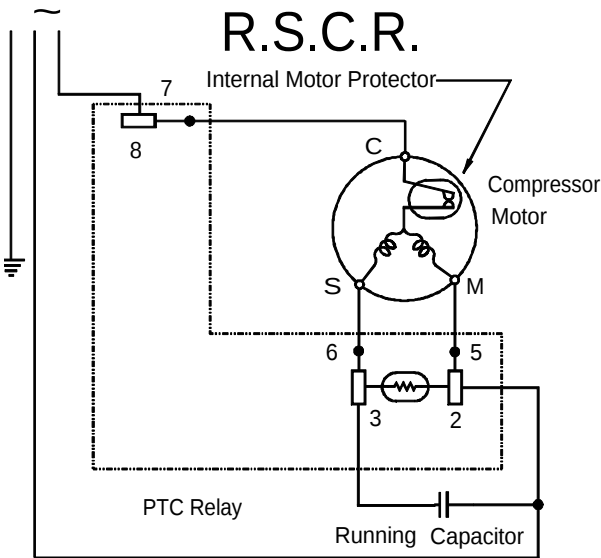
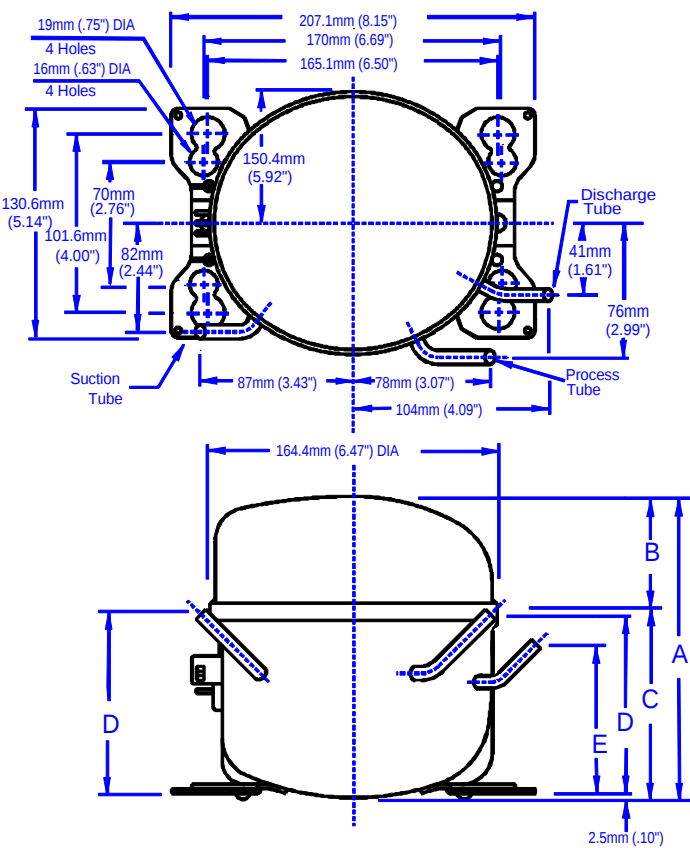
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Single Phase

R-134a

115 V

60 Hz



Dimensions*

	mm	inches
A	172.1	6.78
B	60.9	2.40
C	111.2	4.38
D	102.0	4.02
E	85.0	3.35

* All dimensions are for reference only

This document sets forth certain operational parameters and conditions for operation of this product. If this product is operated outside of the parameters and conditions stated herein, buyer assumes sole and full responsibility and shall indemnify seller with respect to all product failures and all consequences thereof. Operation of the product outside of the parameters and conditions specified herein shall serve to invalidate all seller warranties, if any, with respect to the product. This document is for reference only. For specifications, please contact Panasonic's engineering department.

Tubes	Tube O.D.	Wall	Material
Suction	0.33 in. / 8.3 mm	0.035 in. / 0.9 mm	Copper
Process	0.3125 in. / 7.94 mm	0.028 in. / 0.7 mm	Copper
Discharge	0.28 in. / 7.0 mm	0.041 in. / 1.05 mm	Copper

U.L. File # SA 4615
C.S.A. File #'s LR - 36593

General Data	Oil Charge	195 cc ± 5 cc / 11.9 cu.in.± 0.3 cu.in.
	Net Weight With Oil	16.3 lbs, 7.4 kg
	Approved Oils	FREOL α 10, FREOL α 10E FREOL α 22, FREOL α 22E
	Residual Moisture	120 mg max.
	Impurities	7 mg max.
	Displacement	5.10 cc. / 0.311 cu. in.

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